

REMARKS

Claims 1, 4-7, 10-14 remain in this application. Claims 2-3 and 8-9 have been canceled.

Claims 5 and 11 have been withdrawn. Applicants retain the right to present claims 5 and 11 in a divisional application.

The title of the invention has been amended to maintain consistency with the amendments to claims.

I. December 16, 2003 Notice of Non-Responsive Amendment

The December 16, 2003 Notice of Non-Responsive Amendment states that the September 23, 2003 Amendment was not fully responsive to the June 23, 2003 Office Action because the text of withdrawn claims 5 and 11 was not provided in the listing of the claims. Applicants revised the September 23, 2003 Amendment to include the text of withdrawn claims 5 and 11. Accordingly, it is respectfully submitted that the Notice of Non-Responsive Amendment be withdrawn.

II. June 23, 2003 Objection to Abstract

The abstract is objected to for comprising a run-on sentence. The abstract has been amended to overcome the Examiner's objection. It is respectfully requested that the objection be withdrawn.

III. June 23, 2003 Objection Under 37 C.F.R. 1.75(C)

The Office Action objects to claim 14 under 37 C.F.R. 1.75(c) as being of improper dependent form for failing to further limit the subject matter of a previous claim.

With respect to the objection, claim 14 has been amended to be in independent form. It is respectfully requested that the objection be withdrawn.

IV. June 23, 2007 Rejection under 35 U.S.C. 112

The Office Action rejects claims 1-4, 6-10, and 12-14 under 35 U.S.C. 112, second paragraph. The rejection of claims 2-3 and 8-9 has been rendered moot by the cancellation of those claims. The rejection of the remaining claims is respectfully traversed.

With respect to the 112 rejection, claims 1, 4, 6-7, 10 and 12-14 have been amended and claims 2-3, 8-9 have been canceled as set forth above to eliminate an indefiniteness therein.

Accordingly, it is believed that the above amendment made to claims 1, 4, 6-7, 10 and 12-14 have removed the reason for the 112 rejection. It is respectfully requested that the rejection be withdrawn

V. June 23, 2003 Rejection under 35 U.S.C. 102(b)

The Office Action rejects claims 1-4, 6-10 and 12-14 under 35 U.S.C. 102(b) as being anticipated by Wulle (U.S. 2,162,152) and, alternatively, anticipated by Shiraki Kinzoku Kogyo K.K. (JP 59-149819). The rejections are respectfully traversed.

By way of review, the present invention is directed to a heat exchanging device for circulating unconditioned air through the inside of the heat exchanging device and passing the air through the evaporator twice in one heat exchanging device. For this operation, the blower is positioned between the first predetermined portion of the evaporator and the second predetermined portion of the evaporator.

In contrast, Wulle discloses an air conditioning system for modifying a temperature of air by a transfer of heat between air and the pipes(column 2, lines 45 - 49). The Examiner

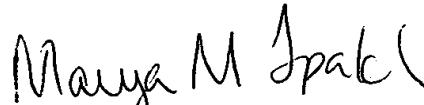
indicated that the inside portion of the tempering core 12 or coils 17 is readable on the first predetermined portions as recited in the claims of the instant invention and the outside portion of the tempering core 12 or coils 17 is readable on the second predetermined portion as recited in the claims of the instant invention. However, the blower 14 in Wulle is not positioned between the inside portion of the tempering core and the outside portion of the tempering core but positioned outside of the tempering core and heat exchanging is not performed sequentially from the inside portion to the outside portion of the tempering core. The heat exchanging of the tempering core is happened in same time for the inside portion and the outside portion of the tempering core in a heat exchanging structure of Wulle. This means that the heat exchanging is performed only once, which is indicated as a shortcoming of the conventional heat exchanger in the specification of the instant application. And further, the tempering core of Wulle is composed of the inside portion and the outside portion for increase heat exchange capacity so that the volume of the heat exchanger increases, which is also a drawback of the conventional heat exchanger. Accordingly, it is respectfully submitted that Wulle is completely different from the present invention.

Meanwhile, Shiraki Kinzoku Kogyo K.K. discloses an air cleaner for control a temperature of one end of heat pipe by setting the other end of the heat pipe in a blowoff air passage. In the Examiner's rejection on Shiraki Kinzoku Kogyo K.K., the Examiner indicated that a first predetermined portion 12b and a second predetermined portion 12a are disclosed in Shiraki Kinzoku Kogyo K.K.. However, the first predetermined portion 12b of heat pipe in Shiraki Kinzoku Kogyo K.K. is used for heating or cooling the other end of heat pipe, i.e., the second predetermined portion 12 and the second predetermined portion 12a is used for heating or cooling the circulated air. Therefore, in Shiraki Kinzoku Kogyo K.K., heat exchanging is not

happened twice but only once as not like with the instant application. Accordingly, it is respectfully submitted that Shiraki Kinzoku Kogyo K.K. is completely different from the present invention. It is respectfully requested that the rejection of claims 1-4, 6-10 and 12 over Wulle and the rejection of claims 1-4, 6-10 and 12 over Shiraki Kinzoku Kogyo KK be withdrawn.

Applicants believe that this is a full and complete response to the Office Action. For the reasons discussed above, Applicants now respectfully submit that all of the pending claims are in complete condition for allowance. Accordingly, it is requested that pending claims 1, 4, 6-7, 10 and 12-14 be allowed in their present form. If the Examiner feels that any issues that remain require discussion, he or she is kindly invited to contact Applicants' undersigned attorney to resolve the issues.

Respectfully submitted,


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